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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. CONFIRMATION | | |
|-----------------|--------------------|----------------------|----------------------------------|------|--|
| 10/749,450 | 12/31/2003 | Sheng Dai | 25016/141 | 9813 | |
| 75 | 90 11/03/2005 | EXAMINER | | | |
| John B. Harda | | O'SULLIVAN, PETER G | | | |
| | ET JACOBS & POLLAR | | DARED MIDADED | | |
| P.O. Box 10107 | | ART UNIT | PAPER NUMBER | | |
| Greenville, SC | 29603 | 1621 | | | |

DATE MAILED: 11/03/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

| | - | | Application No | | Applicant(s) | | | | |
|------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|------------------------------------------------------------|--------------|--|--|--|
| | | 10/749,450 | | DAI ET AL. | | | | | |
| | Office Action Summary | | Examiner | | Art Unit | | | | |
| | | | Peter G. O'Sulli | van | 1621 | | | | |
| Period fo | The MAILING DATE of this commun or Reply | ication appe | ears on the cove | er sheet with the c | orrespondence ad | ldress | | | |
| WHIC - Exte after - If NC - Failu Any | ORTENED STATUTORY PERIOD F CHEVER IS LONGER, FROM THE M nsions of time may be available under the provisions SIX (6) MONTHS from the mailing date of this comn p period for reply is specified above, the maximum st are to reply within the set or extended period for reply reply received by the Office later than three months are d patent term adjustment. See 37 CFR 1.704(b). | MAILING DA s of 37 CFR 1.130 nunication. satutory period with will, by statute, or | TE OF THIS C 6(a). In no event, how ill apply and will expire cause the application | OMMUNICATION vever, may a reply be time SIX (6) MONTHS from to become ABANDONE | I. ely filed the mailing date of this c (35 U.S.C. § 133). | | | | |
| Status | | | | | | | | | |
| 1) | Responsive to communication(s) file | ed on | | | | | | | |
| • | | | - action is non-fir | nal. | | | | | |
| 3) | Since this application is in condition | for allowan | ce except for fo | rmal matters, pro | secution as to the | e merits is | | | |
| ,— | closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. | | | | | | | | |
| Disposit | ion of Claims | | | | | | | | |
| 4)⊠ |)⊠ Claim(s) <u>1-20</u> is/are pending in the application. | | | | | | | | |
| | 4a) Of the above claim(s) is/are withdrawn from consideration. | | | | | | | | |
| 5)□ | Claim(s) is/are allowed. | | | | | | | | |
| 6)⊠ | Claim(s) 1-20 is/are rejected. | | | | | | | | |
| 7) | Claim(s) is/are objected to. | | | | | | | | |
| 8)□ | Claim(s) are subject to restrict | ction and/or | election require | ement. | | | | | |
| Applicati | on Papers | | | | | | | | |
| 9) | The specification is objected to by th | e Examiner | • | | | | | | |
| 10) | The drawing(s) filed on is/are: | : a) <u>□</u> acce | pted or b) 🗌 ot | jected to by the E | xaminer. | | | | |
| | Applicant may not request that any object | ction to the d | lrawing(s) be held | d in abeyance. See | 37 CFR 1.85(a). | • | | | |
| | Replacement drawing sheet(s) including | the correction | on is required if t | ne drawing(s) is obj | ected to. See 37 Cl | FR 1.121(d). | | | |
| 11) | The oath or declaration is objected to | by the Exa | aminer. Note th | e attached Office | Action or form P1 | ΓO-152. | | | |
| Priority ι | ınder 35 U.S.C. § 119 | | | • | | | | | |
| a)l | Acknowledgment is made of a claim All b) Some * c) None of: 1. Certified copies of the priority 2. Certified copies of the priority 3. Copies of the certified copies application from the Internationsee the attached detailed Office actions | documents documents of the priori | have been rec have been rec ty documents h (PCT Rule 17.3 | eived. eived in Application ave been receive 2(a)). | on No d in this National | Stage | | | |
| 2) 🔲 Notic 3) 🔀 Inforr | t(s) e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (P nation Disclosure Statement(s) (PTO-1449 or r No(s)/Mail Date | | _ | Interview Summary Paper No(s)/Mail Da Notice of Informal Pa Other: | te | D-152) | | | |

Application/Control Number: 10/749,450

Art Unit: 1621

Claims 1-20 are pending in this application which should be reviewed for errors. In response to the requirement for the election of a single disclosed species, applicants' elected the species with silver, Tf2N and n-propylamine. Applicants' compounds wherein the ligand is Trf2N are examined therewith with all other compounds held withdrawn.

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims 1-20 are rejected under 35 U.S.C. 112, first paragraph, because the specification, while being enabling for metals, ligands, and anions, does not reasonably provide enablement for all metals, ligands and anions. The specification does not enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention commensurate in scope with these claims. Applicants' specification does not disclose how to make and /or use liquid compounds from all metals ligand and anions, for example one containing strontium, polyaminoacid ligand and perchlorate nor does it disclose how to make or use non-liquid compounds. The art discloses many attempts to make compounds useful as electrolytes, for example, wherein the products have the appropriate characteristics for the utility. Undue experimentation should not be required, for example, to determine if compounds of the scope of applicants' claims are liquid. Applicants' claim one is so broad it reads on methanolic or ethanolic sodium hydroxide with sodium being the metal ion, OH-being the conjugate anion and polar ethanol or methanol being the organic ligands.

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The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-3, 8, 9, 11, 13, 14-20 are rejected under 35 U.S.C. 102(b) as being anticipated by Armand, US 5,256,821, or Sakaguchi et al., US 5,723,664, (not 13). Armand disclose processes for making sulfonylimides (s. the examples). In example 12, for example, Ag(CF3SO2)2N is in an acetonitrile solution. Sakaguchi et al. disclose K+(CF3SO2)2N in acetonitrile and other examples (s. e.g. example 6).

No claim is allowed.

Any inquiry concerning this communication should be directed to Peter G. O'Sullivan at telephone number (571)272-0642.

PETER O'SULLIVAN PRIMARY EXAMINER GROUP 1200